



# ***Maritime Security***



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Naval Postgraduate School  
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# *Maritime Security*

“As we concluded at a previous Pacific Command Chiefs of Defense Conference ... **No nation is so big as to be able to go it alone, and no nation is too small to contribute.**”

**ADM Thomas Fargo  
USN (Ret.)  
Former Commander  
USPACOM**



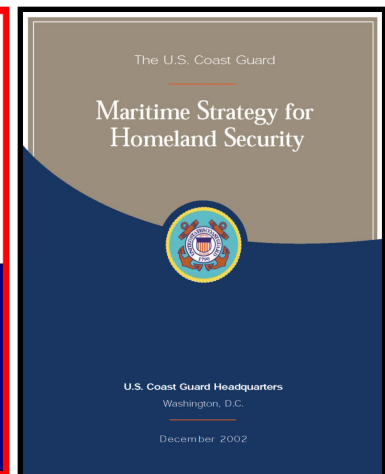
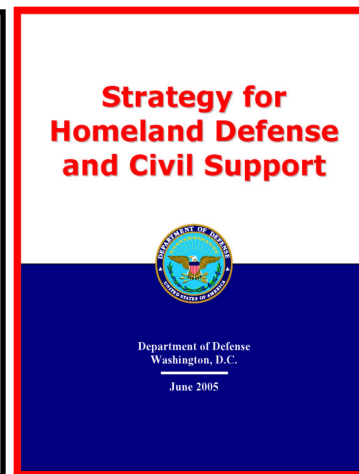
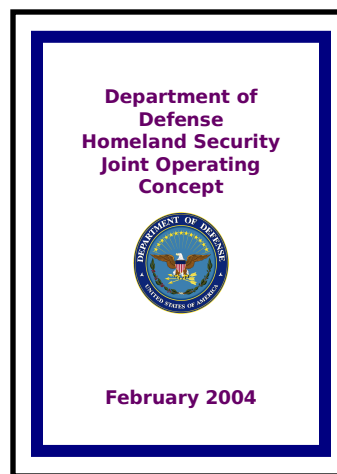
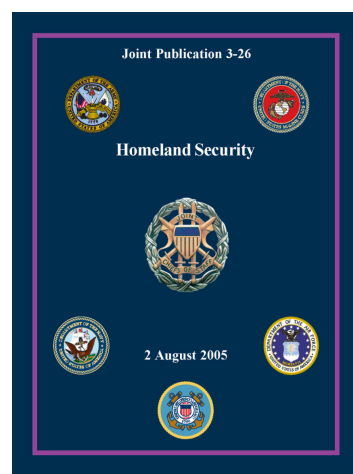
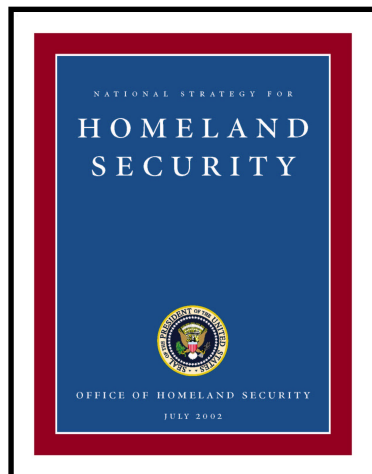
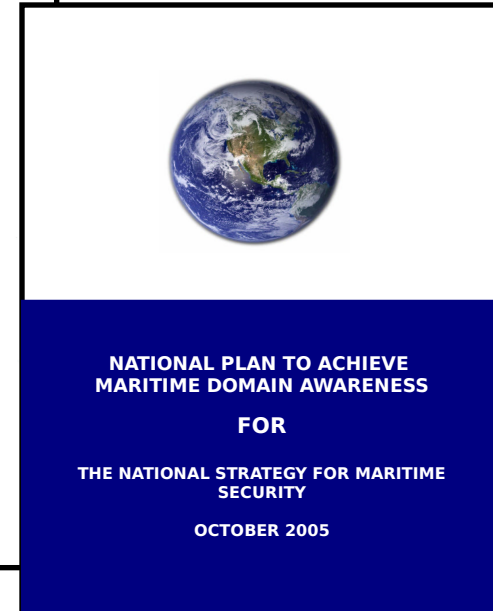
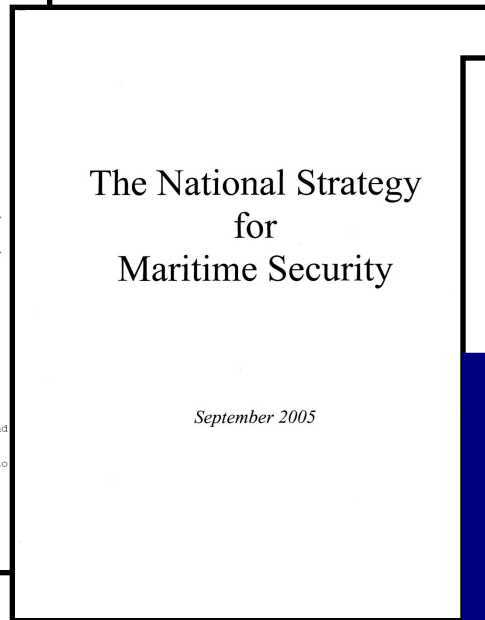
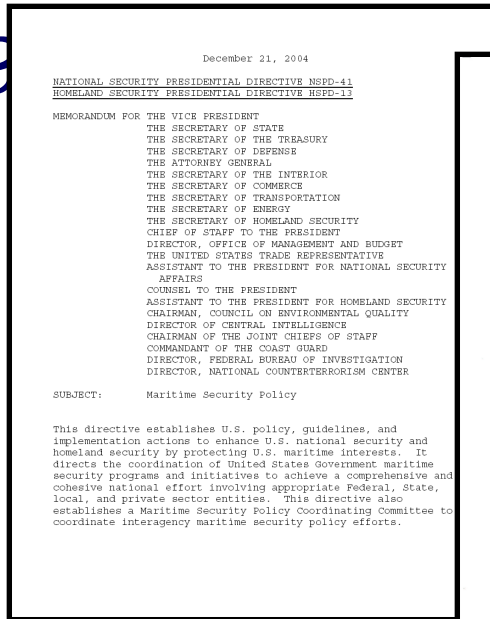


A large, semi-transparent, light blue globe is centered in the background of the slide, behind the text. It shows the Western Hemisphere with North and South America visible.

***Maritime Security***  
***A Global Problem***  
***A Coalition Problem***



# Maritime Security – National Objectives







# *National Security Presidential Directive...*

*Maritime Security Policy* “Coordination of International Efforts and International Outreach. Ensuring the security of the Maritime domain must be a global effort, in which the United States Government efforts are developed and furthered with the support of other governments and international organizations resulting in lasting international cooperation.”





# *National Strategy for Maritime Security*

“As the world's individual national economies become ever more closely integrated, it is critical that nations coordinate and, where appropriate, collectively integrate their security activities to secure the maritime domain.”





# *National Strategy for Homeland Security*

“In a world where the terrorist pays no respect to traditional boundaries, a successful strategy for homeland security requires international cooperation. America must pursue a sustained, steadfast, and systematic international agenda to counter the global terrorist threat and improve out homeland security.”





# *Implementing the Strat*

Collaboration is essential to success

## **Collaboration Partners Here Today**

**Temasek Defense  
Systems Institute**

**Lawrence Livermore  
National Laboratory**

**University of  
California,  
Santa Barbara**

**SPAWAR Systems**

**Center San Diego**

## **Collaboration Tools**

Joint studies

Testbed operations

Wargaming





# *Implementing the*

## *Strategy*

Networks, communications, and sensor technologies

- experimentation and testing

Developing and testing systems concepts for emerging technologies

- West Coast Testbed

Developing concepts of operations for new systems

- a major focus of NPS efforts

Relating CONOPS to strategies





# *Implementing the Strategy*

✚ NPS is serving as a member of the Maritime Domain Awareness Implementation Team formed by the National Plan for MDA.

- ✚ We are conducting both student and faculty research on Maritime Security problems.
- joint student project on Maritime Security, with NPS, TDSI, and LLNL
  - joint research projects to be reviewed during the rest of this symposium



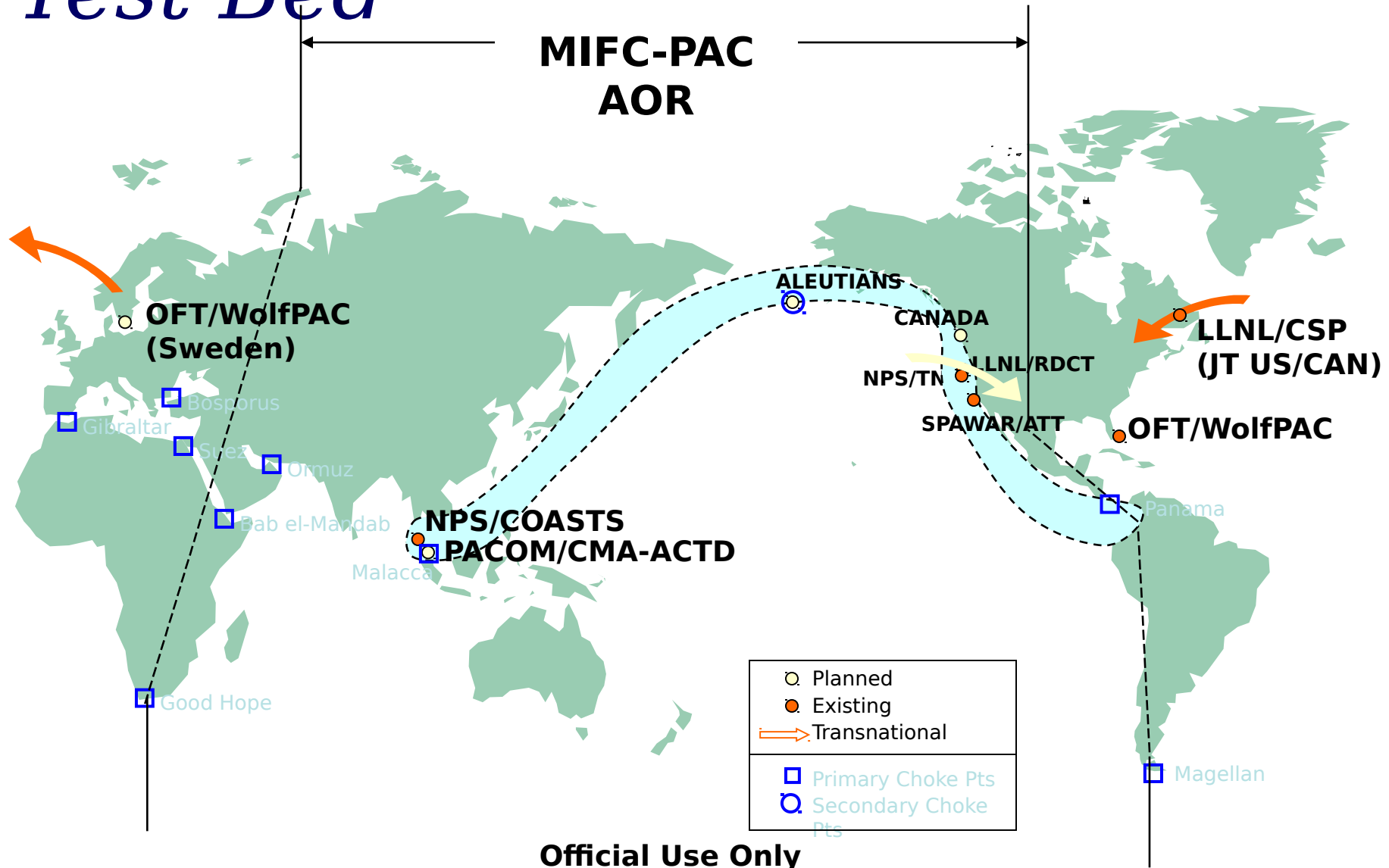


# *NPS/TDSI/LLNL Joint Studies*

- ✚ Maritime Security needs
  - port security
  - threat response
  - command and control
  - technologies
  
- ✚ Ballistic Missile Defense
  - options for the defense of joint forces
  - enabling technologies for seabased systems

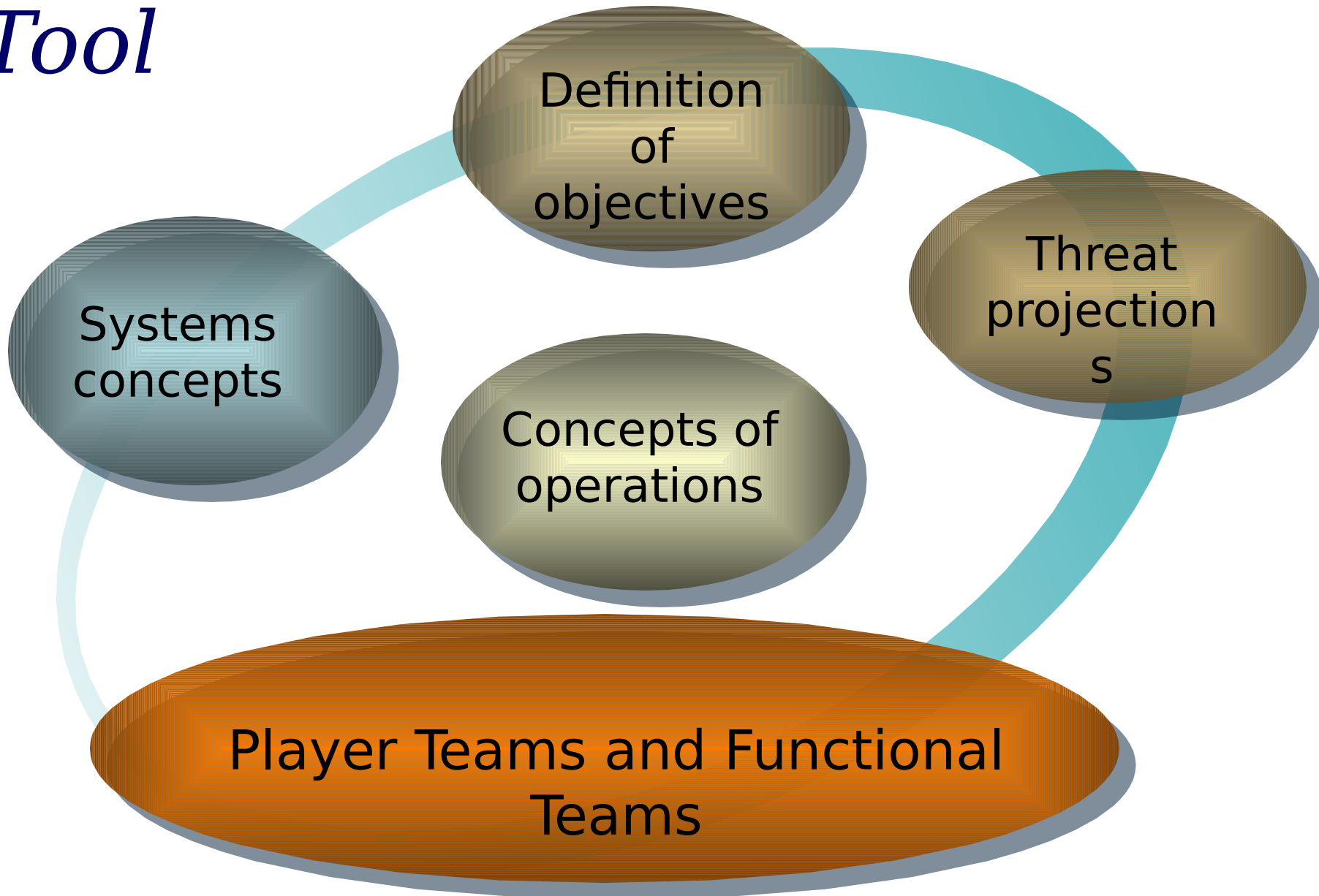


# Maritime Domain Awareness Test Bed





# *Wargaming as a Collaboration Tool*



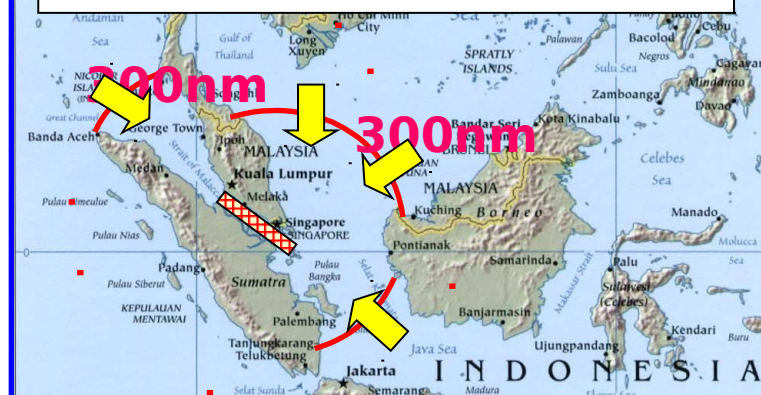


# Wargaming, CONOPS, Strategy

## Sensor Coverage



## Intelligence on Inbound COIs



## Regional C2/Intel Centers



## Port Inspection/Force Response





# Wargaming, CONOPS, Strategy

## Layered Maritime Security Operations For Defense in Depth – II



- 1** U.S. Maritime Approaches  
UAV and MPA conduct wide-area coastal surveillance and reconnaissance tasks – surveys, detects, classifies, identifies.
- 4A** These forces maintain security zones around key infrastructure – airports.





# *Maritime Security*

## *Summary*

- ✚ Maritime Security is a strategic need for the U.S.
- ✚ It requires international collaboration.
- ✚ NPS is teaming with TDSI and others on a variety of student projects and research efforts on Maritime Security.





# *Questions?*

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